

What the invention claimed is:

1. An airflow shift switch for the compressed air valve at least comprises:
 - a valve seat having a large cavity, said the valve seat has an outer ring with a protruded post, a spring washer placed behind the outer ring; said the spring washer has tow clips to hold the post in place; said the cavity has the first go through hole and the second go through hole linked to the intake connector and the nozzle connector respectively; there is a shield cap beside the outer ring with a catch inside which extends between the gap formed by clips and the post; the shield cap is locked onto the shaft of the intake stem for an integral turning;
- 10 the intake stem housed in the cavity of the valve seat includes two parts, the shaft and the collar; on the valve seat side, there is an outer ring with a plurality of skew guide holes, each of which links to the central channel of the shaft; a vacuum chamber will be formed between the outer ring and the valve seat; on the perimeter of the collar, there is an intake hole in L type design linking
- 15 to the outer ring; an air hole and a lateral guide chute are provided at vicinity of the intake hole for mutual communication; there is a plurality of skew guide holes which lead the airflow to the outer ring and to the central channel of the shaft;
- 20 the retaining assembly comprises an inner board, a sideboard; the inner board is locked to valve seat; the inner board has a protruded post just corresponding to the indented recess on the collar; on the top of the inner board, there is a

sideboard which is not locked to the inner board, but to the shaft of the intake stem; when the intake stem is being turned, the sideboard and the shield cap will turn together;

turning the intake stem will link the intake hole with the intake connector,

- 5 letting airflow entering the intake hole, passing the vacuum chamber, the plural guide holes and finally walking into the central channel of the shaft; the airflow gushing out the guide holes will bring down the airflow on the top of the intake stem, so the dust existing there is therefore brought down with airflow together; when the intake stem is turned to other side, the intake chute on the collar of the
- 10 intake stem will link to the intake connector and the nozzle connector into a air passage and the airflow ejected can be used a sweeper.

2. The airflow shift switch for the compressed air valve of this invention as claimed in the Claim 1 in which the intake stem is further oriented with the retaining assembly; the sideboard provides a through hole corresponding to the
- 15 indented recess on the inner board; the through hole is installed with spring and ball to be held in the indented recess; a set bolt is used to lock the spring and the ball in place.

3. The airflow shift switch for the compressed air valve of this invention as claimed in the Claim 1 in which the end of central channel of the shaft is connected with a guide tube and a muffler which will achieve the noise suppression.